

1           1.    A method comprising:  
2                 providing an add-in card without a medium access  
3   control to implement wireless communications; and  
4                 enabling said add-in card to provide wake packet  
5   filtering.

1           2.    The method of claim 1 including enabling an add-  
2   in card to filter incoming wake packets, to determine  
3   whether it is necessary to awake a host platform and to  
4   provide an appropriate signal to wake the host platform.

1           3.    The method of claim 1 including coupling an add-  
2   in card to said platform.

1           4.    The method of claim 3 including enabling the  
2   platform to implement wireless medium access control.

1           5.    The method of claim 4 including accessing a  
2   configuration space on a platform integrated component,  
3   detecting an add-in card external to said platform, said  
4   add-in card intended to operate with said integrated  
5   component, comparing an identifier for said add-in card  
6   with an identifier for said integrated component, and if  
7   said identifiers match, writing information into the  
8   configuration spaces of the integrated component and add-in  
9   card.

1           6.    The method of claim 3 including providing a  
2   physical layer for wireless communications in said add-in  
3   card.

1           7.    A method comprising:  
2                providing a wireless capability on a platform  
3   including a medium access control; and  
4                removing the wireless wake packet filtering  
5   function from the medium access control.

1           8.    The method of claim 7 including providing an add-  
2   in card which includes said wake packet filtering function.

1           9.    The method of claim 8 including providing a  
2   physical layer.

1           10.   The method of claim 9 including performing wake  
2   packet filtering on said add-in card and providing a wake  
3   signal to said platform only when a valid wake packet has  
4   been identified.

1           11.   The method of claim 7 including accessing a  
2   configuration space on a platform integrated component,  
3   detecting a component external to said platform, said  
4   component intended to operate with said integrated

5 component, comparing an identifier for said external  
6 component with an identifier for said integrated component,  
7 and if said identifiers match, writing information into the  
8 configuration spaces of the integrated and external  
9 components.

1 12. A processor-based system comprising:  
2 a processor; and  
3 a medium access control to enable wireless  
4 communications, said medium access control not including a  
5 wake packet filtering function.

1 13. The system of claim 12 including an add-in card  
2 coupled to said system, said add-in card including a  
3 physical layer to provide wireless communications, said  
4 add-in card also including a wake packet filtering  
5 function.

1 14. The system of claim 13 including a mating manager  
2 to access a configuration space associated with said medium  
3 access control, detect an add-in card external to said  
4 system, said add-in card intended to operate with said  
5 integrated medium access control, compare an identifier for  
6 said add-in card with an identifier for said medium access  
7 control, and if said identifiers match, write information

8 into the configuration spaces of the integrated component  
9 and add-in card.

1 15. A processor-based system comprising:  
2 a processor;  
3 a medium access control;  
4 a bus coupled to said processor; and  
5 an add-in card coupled to said bus, said add-in  
6 card including a physical layer to implement wireless  
7 communications, said add-in card including a wake packet  
8 filter.

1 16. The system of claim 15 including a mating manager  
2 to access a configuration space on a platform integrated  
3 component, detect the add-in card, compare an identifier  
4 for said add-in card with an identifier for said integrated  
5 component and if said identifiers match, write information  
6 into the configuration spaces of the integrated component  
7 and add-in card.

1 17. An article comprising a medium storing  
2 instructions that enable a processor-based system to:  
3 receive a wireless communication packet;  
4 filter said packet to determine whether or not it  
5 is necessary to wake a platform coupled to said system; and

6           if said packet is one which necessitates waking  
7 the platform, provide a signal from said system to said  
8 platform to wake said platform.

1           18. The article of claim 17 further storing  
2 instructions that enable the processor-based system to  
3 provide a physical layer for wireless communications.

1           19. The article of claim 17 further storing  
2 instructions that enable said system to avoid unnecessarily  
3 awakening a platform coupled to said system so as to reduce  
4 power consumption of said platform.

1           20. The article of claim 17 further storing  
2 instructions to implement wake packet filtering in a system  
3 not having a medium access control.